

Name

Home Room

Date

What Is A Machine?

Machines Make Work Easier

1. Machines-

Examples-

2. Work In, Work Out

Work Input-

Work Output-

3. How Machines Help

Work output can never-

Machines allow force-

4. Same Work, Different Force

Machines make work easier by-

Machines will not-

The machine allows a smaller force-

5. The Force distance Trade Off

When the machine changes the size of the force-

Mechanical Advantage

1.-

Calculating Mechanical Advantage: Formula

A machine with an advantage greater than 1-

A machine with an advantage less than 1-

Mechanical Efficiency

Some of the work done by a machine –

The less work a machine has to do to overcome friction-

Calculating Efficiency: Formula

The closer a machine's efficiency is to 100% -